CONTENTS OF VOLUME V
JOURNAL OF NUTRITION

No. 1, January, 1932

PAGE

Bassett, Samuel H., Elden, C. A., and McCann, W. S., Mineral exchanges of man. II. Effects of excess potassium and of calcium on two normal men and on an oedematous nephritic..... 1

Turner, R. G., and Loew, E. R., Effect of vitamin withdrawal on the monkey (*Macacus Rhesus*)..... 29

Brooks, H. J., and Hughes, J. S., The hemoglobin content of the blood of dairy cattle..... 35

Kramer, Benjamin, and Howland, John, Factors which determine the concentration of calcium and of inorganic phosphorus in the blood serum of rats..... 39

Kozlowska, Marja, McCay, C. M., and Maynard, L. A., A technic for studying lactation in small animals and its use in evaluating protein levels in the diet..... 61

Hetler, Rossleene Arnold, Protein intake and basal metabolism of college women..... 69

Quigley, J. P., Hallaran, W. R., and Barnes, B. O., Variations in blood sugar values of normal and vagotomized dogs following glucose administration..... 77

Jukes, T. H., and Kay, H. D., Editorial Review, Egg-yolk proteins.. 81

No. 2, March, 1932

Saywell, Lawrence G., The effect of grapes and grape products on urinary acidity..... 103

Mallon, Marguerite G., Johnson, L. Margaret, and Darby, Clara R., A study of the calcium retention of American cheddar cheese.. 121

Shukers, Carroll F., Macy, Icie G., Nims, Betty, Donelson, Eva, and Hunscher, Helen A., A quantitative study of the dietary of the human mother with respect to the nutrients secreted into breast milk..... 127

Leichsenring, Jane M., and Flor, Iva Hansen, The iron requirement of the pre-school child..... 141

Sure, Barnett, and Smith, Margaret Elizabeth, Dietary requirements for fertility and lactation. XXIV. Further studies on the specific effect of vitamin B on lactation..... 147

PAGE

SURE, BARNETT, KIK, M. C., and SMITH, MARGARET ELIZABETH, The specific effect of vitamin B on growth..... 155

LIMSON, MARCIANO, and JACKSON, C. M., Changes in the weights of various organs and systems of young rats maintained on a low-protein diet..... 163

LILLY, C. A., Failures to produce experimental dental caries in the white rat with high carbohydrate diet and Bacillus Acidophilus or with vitamin D deficiency..... 175

FORBES, E. B., and KRISS, MAX., The analysis of the curve of heat production in relation to the plane of nutrition..... 183

GUNDERSON, FRANK L., and STEENBOCK, H. Is the vitamin B content of milk under physiological control?..... 199

No. 3, MAY, 1932

SWIFT, RAYMOND W., The effects of low environmental temperature upon metabolism. I. Technic and respiratory quotient..... 213

SWIFT, RAYMOND W., The effects of low environmental temperature upon metabolism. II. The influence of shivering, subcutaneous fat, and skin temperature on heat production..... 227

GUILBERT, H. R., and GOSS, H., Some effects of restricted protein intake on the estrous cycle and gestation in the rat..... 251

ST. JOHN, J. L., JOHNSON, O., CARVER, J. S., and MOORE, S. A., A method of determining the biological value of protein in the study of avian nutrition..... 267

PITTMAN, MARTHA S., The utilization by human subjects of the nitrogen, calcium and phosphorus of the navy bean (Phaseolus vulgaris) with and without a supplement of cystine..... 277

LEVINE, HAROLD, CULP, F. B., and ANDERSON, C. B., The value of some vegetables in nutritional anemia..... 295

SAMUELS, LEO T., and KOCH, FRED C., The relative quantities of the heat-stable and heat-labile fractions of vitamin B in raw and evaporated milk..... 307

No. 4, JULY, 1932

RABINOWITCH, I. M., Metabolic studies in a case of osteitis deformans. 325

RUSSELL, WALTER C., The addition of raw beef or meat scrap to a wheat-milk diet..... 347

THOMPSON, JUANITA, The effect of rachitogenic diets on the thyroid gland of the albino rat..... 359

ADOLPH, WM. H., and CHEN, SHEN-CHAO, The utilization of calcium in soy bean diets..... 379

PAGE

FORBES, E. B., BRAMAN, WINFRED W., and KRISS, MAX, The heat production of cattle in a respiration calorimeter as related to the rate of ventilation and to the moisture content of the air..... 387
FORBES, E. B., and VORIS, LEROY, The economy of conversion of food energy into milk energy by the dairy cow..... 395
BISCHOFF, FRITZ, SANSUM, W. D., LONG, M. LOUISA, and EVANS, RICHARD D., A comparative study of rabbits maintained on barley or alfalfa..... 403
HOGAN, ALBERT G., SHREWSBURY, CHARLES L., BRECKENRIDGE, GERALD F., and RITCHIE, WALTER S., Action of radio-active substances on vitamins..... 413
HELLER, VICTOR G., Saline and alkaline drinking waters..... 421
BISCHOFF, FRITZ, Editorial Review, The influence of diet on renal and blood vessel changes..... 431

No. 5, SEPTEMBER, 1932

SKINNER, J. T., The effect of a high intake of manganese on the growth of rats..... 451
COONS, CALLIE MAE, and SCHIEFELBUSCH, ANNA T., The diets of college women in relation to their basal metabolism..... 459
KRAUSS, W. E., BETHKE, R. M., and MONROE, C. F., The effect of feeding irradiated ergosterol to cows on the vitamin D content of milk. 467
GERSTENBERGER, HENRY J., and HORESH, ARTHUR J., The treatment of rachitic infants with milk produced by cows fed irradiated ergosterol..... 479
NEVENS, W. B., and SHAW, D. D., The effect of dairy manufacturing processes upon the nutritive value of milk. I. The apparent digestibility of fresh whole milk and evaporated milk..... 485
NORRIS, E. R., and CHURCH, A. E., A study of the antimony trichloride color reaction for vitamin A. V. Evaluation of a colorimetric unit on the basis of the biological unit for vitamin A..... 495
CURTIS, P. B., HAUGE, S. M., and KRAYBILL, H. R., The nutritive value of certain animal protein concentrates..... 503
SAYWELL, LAWRENCE G., The effect of figs and small amounts of raisins on urinary acidity..... 519
MURLIN, JOHN R., Graham Lusk—A brief review of his work..... 527

No. 6, NOVEMBER, 1932

LONGWELL, BERNARD B., HILL, ROBERT M., and LEWIS, ROBERT C., The relation of the vitamin B complex to renal enlargement caused by cystine and protein in the diet of the rat..... 539

PAGE

ROWE, ALLAN WINTER, and BOYD, WILLIAM CLOUSER, The metabolism in pregnancy. IX. The foetal influence on the basal rate..... 551

BING, FRANKLIN C., ADAMS, W. LLOYD, and BOWMAN, RUSSEL O., The protein requirements of the albino mouse..... 571

BENEDICT, FRANCIS G., HORST, KATHRYN, and MENDEL, LAFAYETTE B., The heat production of unusually large rats during prolonged fasting. 581

HUBBELL, REBECCA B., and BUNTING, RUSSELL W., Calcium and phosphorus of saliva in relation to dental caries..... 599

Index to Volume 5..... 607